CHUDNOVSKIY, V. Yu.

Measuring the thickness of shavings cut by the bucket of a rotor
excavator. Izm.tekh. no.8:8-10 Ag '60.   (MIRA 13:9)
                    (Electric instruments)

VOLOTKOVSKIY, S.A., prof.; CHUDNOVSKIY, V.Yu., inzh.; MAGIDSON, V.V., inzh.

Automatic control of the boom winch on rotary bucket excavators.
Izv. vys. ucheb. zav.; gor. zhur. no.10:149-154 '60.
(MIRA 13:11)

1. Dnepropetrovskiy gornyy institut imeni Artema. Rekomendovana
kafedroy gornoy elektrotrotekhniki Dnepropetrovskogo gornogo instituta.
(Excavating machinery) (Automatic control)

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9.6/30

S/144/61/000/003/003/004
E194/E435

AUTHORS: Magidson, V.V., Senior Scientist
            Mendeleyev, I.S., Chief Designer medium d.c. machines,
            Chudnovskiy, V.Yu., Senior Scientist

TITLE: The Use of Hall-Effect Probes in Measuring the
            Commutating Field Parameters of d.c. Machines

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy,
            Elektromekhanika, 1961, No.3, pp.102-108

TEXT: In studying the commutation of d.c. machines, it is
important to measure the parameters of the commutating field.   The
usual methods of doing this are laborious and inaccurate and
accordingly in studying the commutation of d.c. machines, the
authors used Hall effect pick-ups.   In this way it is possible to
obtain all the necessary characteristics rapidly and accurately
using a single measurement procedure and almost entirely without
dismantling the machine.   This article describes the procedure
and measurement and gives some results obtained in Laboratoriya
gornoy elektrotekhniki Dnepropetrovskogo gornogo instituta
(Mining-Electrical Engineering Laboratory of the Dnepropetrovsk

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The Use of Hall-Effect ...

Mining Institute) and in the Khar'kovskiy elektromekhanicheskiy zavod (ХЭМЗ) (Khar'kov Electromechanical Works (KhEMZ)). Hall pick-ups are of the film type, based on mercury selenide, and of crystalline germanium. The film-type are thin and flexible but they are so big that they can only give the mean value of induction over an appreciable area. The germanium pick-ups are sensitive and small, those used being of 7 x 3 x 0.5 mm. With objects of this size, an accurate picture of the field could be obtained and there is little need to compensate inductive interference. A disadvantage of germanium pick-ups is that the characteristics are not linear at high inductions, above about 5000 gauss; however, commutating field inductions do not usually exceed these values. In Hall effect pick-ups, the remanent e.m.f. that arises because the probes are not equi-potential is of importance but it is usually much less in germanium pick-ups than in film-type. The temperature coefficient of both film and germanium pick-ups is about 0.1 to 0.2% per °C at temperatures of the order of 30 to 50°C and this was usually unimportant. If greater accuracy is required crystal pick-ups of indium arsenide may be used for which the Card 2/9

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temperature coefficient is about 0.05% per °C. The output e.m.f. was applied directly to an electromagnetic oscillograph without intermediate amplification. The Hall-effect pick-up could either be fixed in the air gap under the interpole or on the teeth of the machine armature. In the first case the probe with germanium pick-up was fixed to a plastic strip and was introduced into the air gap without dismantling the machine. In the second case the probe fixed to the armature teeth was connected to four sliprings. It is important to note that all the important parameters of the commutating field under both steady state and transient conditions may be measured by means of pick-ups fixed in the air gap. A pick-up mounted on the armature can only give a general picture of the field distribution under steady state conditions and the machine must be dismantled to install it. Fig.1 shows interpole magnetization curves (B, Gauss vs I/I_H) for 1 - a motor type ПН-45 (PN-45) of 4.4 kW, 220 V, 23.5 A n = 1000 r.p.m.; 1' - the same at a speed of 4 r.p.m.; 2 - motor type П111 (P111) of 33 kW, 220 V, 178 A at a speed of 400 r.p.m.; 2' - calculated magnetization curve of motor type P111;
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3 - motor type MПЭ-12 (MPE-12) of 743 kW, 900 V, 825 A, 1000 r.p.m.
It will be seen from the curves that in motors type PN-45 and Plll,
interpole saturation commences at 1.5 times rated load current
(I_H) whilst in the compensated machine type MPE-12, a strictly
straight line relationship is maintained up to twice normal load.
It is usually considered that when the interpoles are saturated,
because of the increased leakage with increased load, the
commutating field diminishes and is zero at three or four times
rated load.   The curve 2' of Fig.1 shows that the calculated
magnetization curve of the interpoles of machine type Plll is of
this kind.   However, the experimental curves show that even at
such high loads substantial induction remains in the air gap under
the interpoles.   On machine type PN-45, interpole magnetization
curves were taken at speeds of both 1000 r.p.m. and 4 r.p.m.
The pick-up was moved from the centre of the pole.   It will be
noticed that the curves do not coincide at high loads and when the
pick-up is moved in the opposite direction from the pole centre
the induction at high loads is greater at high speeds than at low.
It is suggested that this occurs because when the interpoles are

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S/144/61/000/003/003/004
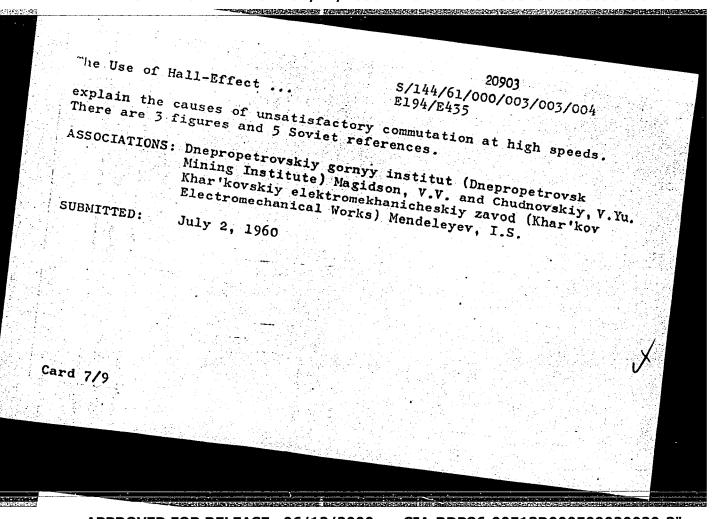E194/E435

The Use of Hall-Effect ...

saturated, commutation is retarded, an additional commutation current appears which sets up a reaction field which partially closes through the tip of the interpole distorting the shape of the commutating field, strengthening it under one edge of the interpole and weakening it under the other. This effect is discussed at some length. The Hall-effect pick-ups are very convenient in studying commutation processes during transient conditions of d.c. machines. The principal factor impairing commutation during transient conditions is the lag in the time of alteration of magnetic flux behind the load current due to the damping effect of the eddy currents. This effect is usually observed by making oscillograms of the voltage on an additional turn specially wound on the interpole. This is particularly difficult to do when the machine cannot be dismantled. The Hall-effect pick-up is particularly convenient for the study of such drives as reversing rolling mills. By way of example, Fig.3 shows curves of armature current and induction under the interpoles of a machine type PN-45 when operating as a generator on taking up and throwing off load, with a maximum armature current of 23.5 A, and a maximum induction of 4000 gauss. The oscillogram permits

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E194/E435

direct assessment of the degree of lag of change of flux behind
that of the load.   In investigating commutation, usually no
allowance is made for possible influence of the hysteresis loop of
the interpoles.   In certain cases, the width of the hysteresis
loop may have an important effect on commutation.   Thus, in
adjusting the commutation of a number of machines with a narrow
zone of sparkless operation, it was found that it often suffices to
alter the induction under the interpoles with a given load by 100
to 200 gauss in one way or another to make the machine spark.   It
was found that the commutation of the machine depended upon the
way in which the hysteresis loop alters the induction of the
commutating field on changing the load.   The examples quoted
demonstrate the extensive possibilities of using Hall-effect pick-
ups to study commutating fields and to check available design
procedures.   The procedure has been used at the Khar'kov
Electromechanical Works to study the operation of type П (P)
motors with separate supply to the field windings.   Results are
obtained about the asymmetrical distribution of the commutating
fields under different interpoles and this made it possible to

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The Use of Hall-Effect ...

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E194/E435

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explain the causes of unsatisfactory commutation at high speeds.
There are 3 figures and 5 Soviet references.

ASSOCIATIONS: Dnepropetrovskiy gornyy institut (Dnepropetrovsk Mining Institute) Magidson, V.V. and Chudnovskiy, V.Yu. Khar'kovskiy elektromekhanicheskiy zavod (Khar'kov Electromechanical Works) Mendeleyev, I.S.

SUBMITTED: July 2, 1960

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VOLOTKOVSKIY, S.A., prof.; CHUDNOVSKIY, V.Yu., inzh.; KRYUKOV, B.I. inzh.; MAGIDSON, V.V., inzh.

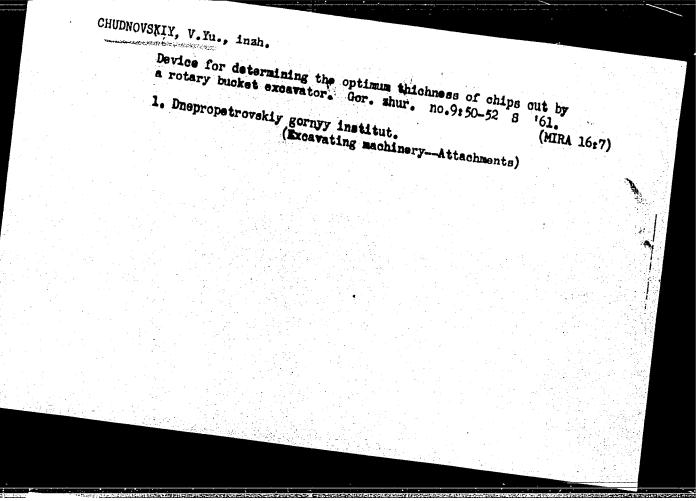Optimalizing control of resonance screens. Izv.vys.ucheb.zav.; gor.zhur. no.3:129-132 '61. (MIRA 15:4)
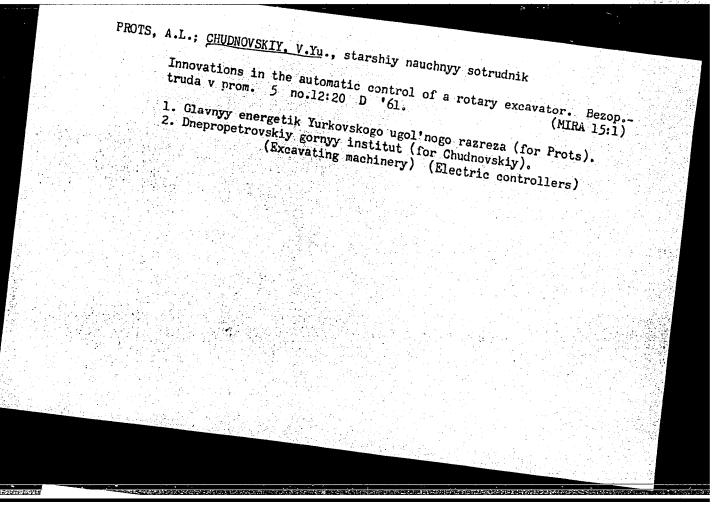
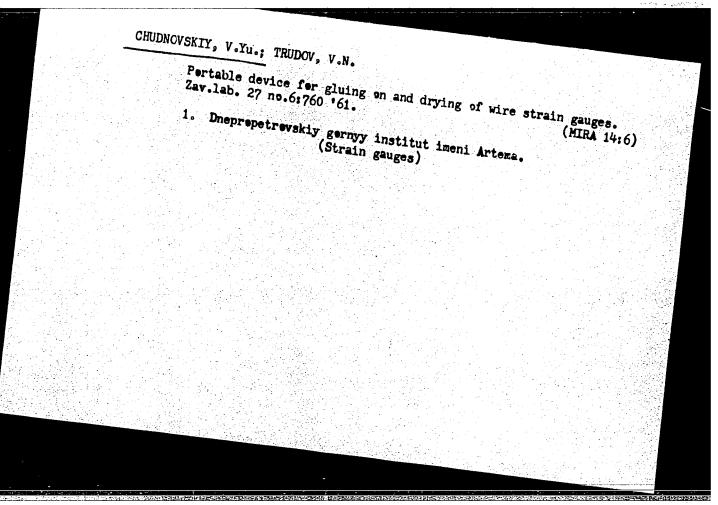1. Dnepropetrovskiy ordena Trudovogo Krasnogo Znameni gornyy institut imeni Artema; rekomendovana kafedroy gornoy elektrotekhniki Dnepropetrovskogo gornogo instituta.
(Screens (Mining))   (Automatic control)

CHUDNOVSKIY, V.Yu., inzh.

Device for determining the optimum thickness of chips cut by
a rotary bucket excavator. Gor. zhur. no.9:50-52 S '61.

1. Dnepropetrovskiy gornyy institut.
(Excavating machinery--Attachments)

(MIRA 16:7)

PROTS, A.L.; CHUDNOVSKIY, V.Yu., starshiy nauchnyy sotrudnik

Innovations in the automatic control of a rotary excavator. Bezop.-
truda v prom. 5 no.12:20 D '61.
(MIRA 15:1)

1. Glavnyy energetik Yurkovskogo ugol'nogo razreza (for Prots).
2. Dnepropetrovskiy gornyy institut (for Chudnovskiy).
(Excavating machinery) (Electric controllers)

CHUDNOVSKIY, V.Yu.; TRUDOV, V.N.

Portable device for gluing on and drying of wire strain gauges.
Zav.lab. 27 no.6:760 '61.
(MIRA 14:6)

1. Dnepropetrovskiy gornyy institut imeni Artema.
(Strain gauges)

CHUDNOVSKIY, V. Yu., inzh.; TRUDOV, V.N., inzh.

Use of the electrotensiometric method in studying the metal parts of transporter bridges and stackers. Vop. rud. transp. no.6:63-75 '62. (MIRA 15:8)

1. Dnepropetrovskiy gornyy institut.
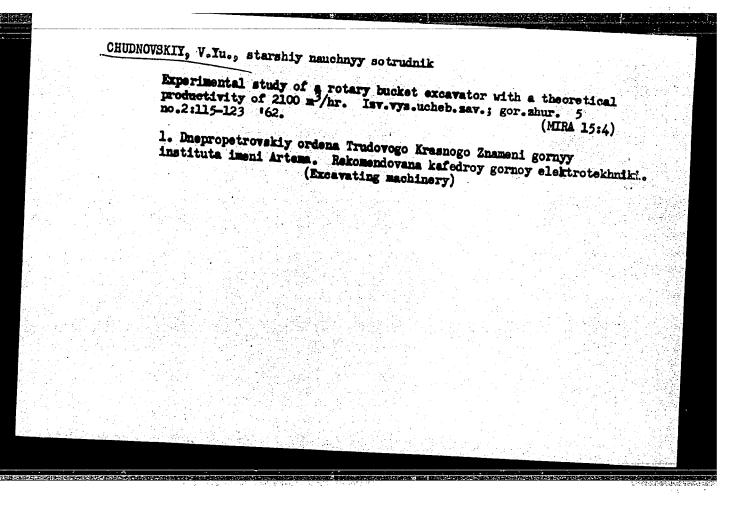(Conveying machinery)

CHUDNOVSKIY, V.YU., inzh.

Efficient design of rotary excavator buckets. Gor. zhur. no.7:56-59
Jl '62.

1. Dnepropetrovskiy gornyy institut.
(Excavating machinery)

(MIRA 15:7)

CHUDNOVSKIY, V.Yu., starshiy nauchnyy sotrudnik

Experimental study of a rotary bucket excavator with a theoretical productivity of 2100 m³/hr. Izv.vys.ucheb.zav.; gor.zhur. 5 no.2:115-123 '62.

(MIRA 15:4)

1. Dnepropetrovskiy ordena Trudovogo Krasnogo Znameni gornyy instituta imeni Artema. Rekomendovana kafedroy gornoy elektrotekhniki.
(Excavating machinery)

CHUDNOVSKIY, V. Yu., inzh.

Calculation of the optimum conditions for digging up ground by the working part of a rotary bucket excavator. Izv. vys. ucheb. zav.; gor. zhur. 5 no.8:136-144 '62.

(MIRA 15:10)

1. Dnepropetrovskiy ordena Trudovogo Krasnogo Znameni gornyy institut imeni Artema. Rekomendovana kafedroy gornoy elektro-tekhniki.
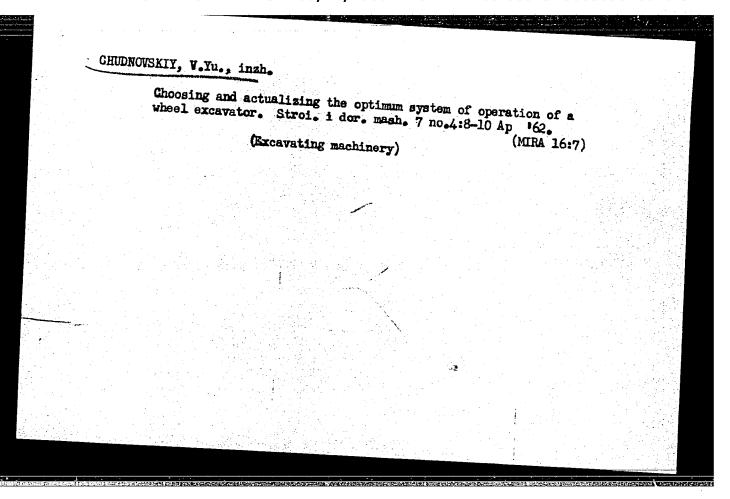
(Excavating machinery)

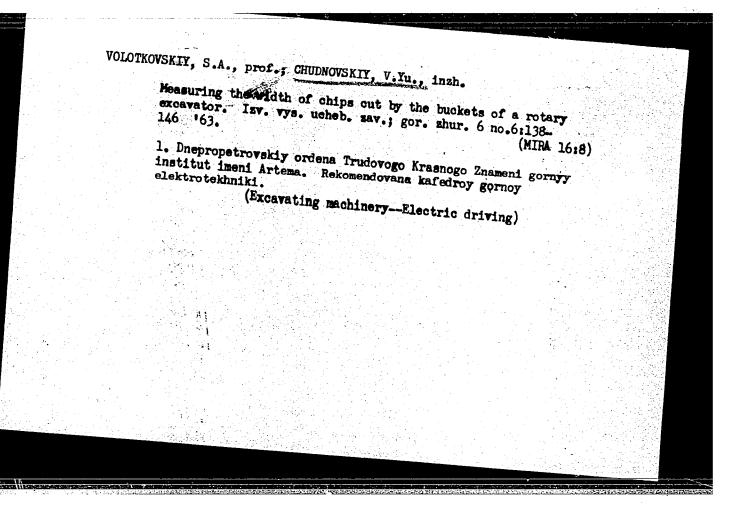SHIROCHENKO, Ye.V., kand.tekhn.nauk [deceased]; CHUDNOVSKIY, V.Yu., inzh.;
TRUDOV, V.N., inzh.; KUDLOV, L.V., inzh.; MURZINA, Z.I., inzh.

Experimental checking of the design calculations of the metal
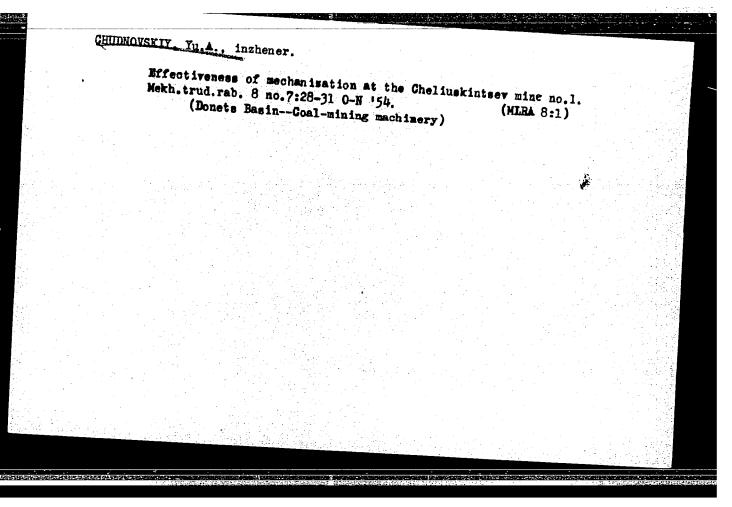structures of mobile transport bridges. Ugol' Ukr. 6 no.5:
13-16 My '62.

(MIRA 15:11)

1. Dnepropetrovskiy gornyy institut.
        (Transport bridges--Design and construction)
            (Ukraine--Strip mining)

CHUDNOVSKIY, V.Yu., insh.

Efficient design of the bucket cutting teeth of a rotary excavator. Ugol' Ukr. 6 no.11:31-32 N '62.   (MIRA 15:12)

1. Dnepropetrovskiy gornyy institut.
              (Excavating machinery)

CHUDNOVSKIY, V.Yu., inzh.

Choosing and actualizing the optimum system of operation of a
wheel excavator. Stroi. i dor. mash. 7 no.4:8-10 Ap '62.

(Excavating machinery)   (MIRA 16:7)

VOLOTKOVSKIY, S.A., prof.; CHUDNOVSKIY, V.Yu., inzh.

Measuring the width of chips cut by the buckets of a rotary
excavator. Izv. vys. ucheb. zav.; gor. zhur. 6 no.6:138-
146 '63.
(MIRA 16:8)

1. Dnepropetrovskiy ordena Trudovogo Krasnogo Znameni gornyy
institut imeni Artema. Rekomendovana kafedroy gornoy
elektrotekhniki.
(Excavating machinery--Electric driving)

L 30791-66   EWT(1)/T   JK
ACC NR: AP6022091   (A,N)   SOURCE CODE: UR/0346/66/000/003/0040/0042

AUTHOR: Malakhova, T. I. (Candidate of veterinary sciences, Manager); Shevtsova,
I. N. (Candidate of veterinary sciences); Zaytseva, L. P. (Director); Chudnovskiy,
Ye. I. (Chief veterinary physician of Lyubertsy district of Moscow Region)

ORG: /Malakhova/ Production Section, Scientific-Production Veterinary Laboratory,
MSKh, RSFSR (Proizvodstvennyy otdel Nauchno-proizvodstvennyy veterinarnoy laboratorii);
/Shevtsova/ Scientific-Production Veterinary Laboratory, MSKh, RSFSR (Nauchno-
proizvodstvennaya veterinarnaya laboratoriy); /Zaytseva/ Lyubertsy Interdistrict
Veterinary Laboratory (Lyuberetskaya mezhrayonnaya veterinarnaya laboratoriya)

TITLE: Preparation and use of blood from convalescent animals for foot-and-
mouth disease

SOURCE: Veterinariya, no. 3, 1966, 40-42

TOPIC TAGS: foot and mouth disease, blood, epizootiology, experiment animal, preventive
medicine, animal disease therapeutics

ABSTRACT: A total of 7,821 cattle and 1,400 swine were inoculated with blood obtained
from animals convalescing from foot-and mouth disease. The results were best in calves
up to one month old when the dose was 2.5-3 ml per kg of animal weight. Very few of the
animals contracted the disease even in the midst of an epizootic. And in the few that
did the course was very mild, with the animals having a normal temperature and good
appetite. In most cases the inoculations halted the outbreak.
    The blood of convalescent animals was also administered to very sick adult cows and
bulls in doses of 500-600 ml and 700-800 ml, respectively. The course of the disease
was much milder and recovery took place sooner than in the control.
    Thus, the use of blood from animals recovering from foot-and-mouth disease has both
prophylactic and therapeutic value. Orig. art. has: 2 figures. /JPRS/

SUB CODE: 06, 02/ SUBM DATE: none
Card 1/1
                            UDC: 619:616.988.43-085.375: 636.2

CHUDNOVSKIY, Yu.A., inzhener.

Effectiveness of mechanization at the Cheliuskintsev mine no.1.
Mekh.trud.rab. 8 no.7:28-31 O-N '54.
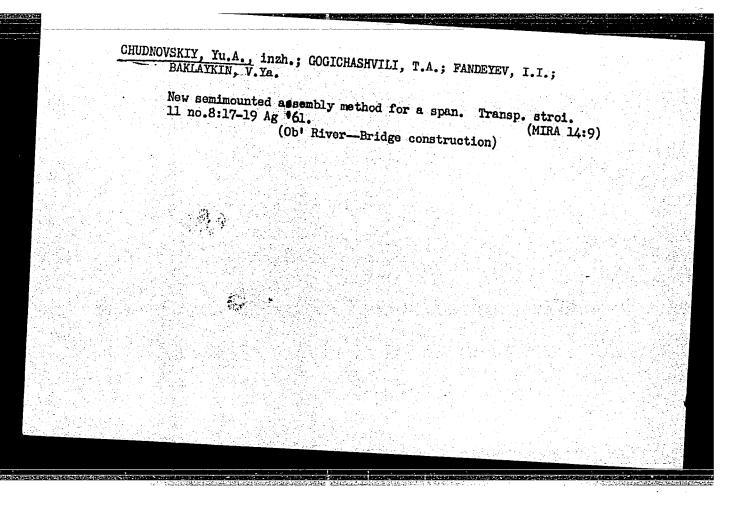   (Donets Basin--Coal-mining machinery)   (MLRA 8:1)

KUTSENKO, V.N.; CHUDNOVSKIY, Yu.A., kand. tekhn. nauk

Practices in designing and constructing precast supports for large
bridges. Transp. stroi. 15 no.5:13-15 My '65.   (MIRA 18:7)

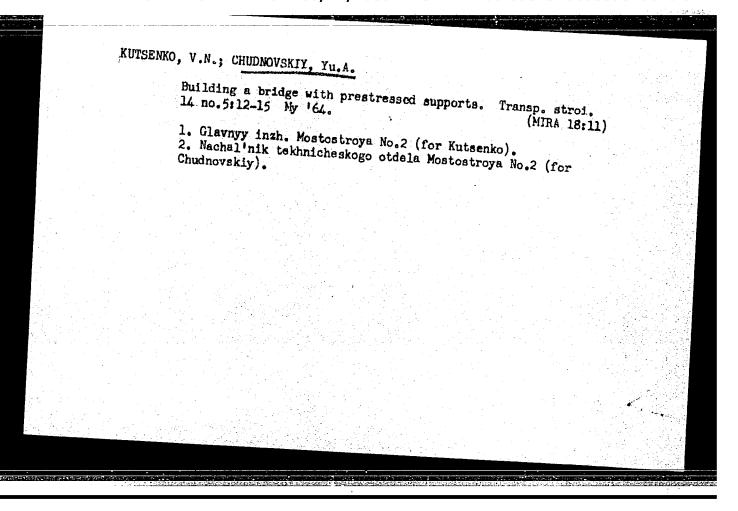1. Glavnyy inzh. Mostostroya No.2 (for Kutsenko).

CHUDNOVSKIY, YU. A.

CHUDNOVSKIY, Yu.A.; FEOKTISTOV, G.P., gornyy inzh.

New mining systems. Part 9,10. Ugol' 32 no.9:1-3 S '57.
(MIRA 10:10)

1.Trest Stalinugol' (for Chudnovskiy). 2.Vsesoyuznyy nauchno-
issledovatel'skiy ugol'nyy institut (for Feoktistov).
(Coal mines and mining)

CHUDNOVSKIY, Yu.A., inzh.; GOGICHASHVILI, T.A.; FANDEYEV, I.I.;
BAKLAYKIN, V.Ya.

New semimounted assembly method for a span. Transp. stroi.
11 no.8:17-19 Ag '61.
(Ob' River—Bridge construction)   (MIRA 14:9)

CHUDNOVSKIY, Yu.A., inzh.

Construction of a bridge with precast reinforced concrete combined spans.
Transp. stroi. 12 no.2:15-17 F '62.   (MIRA 15:7)
(Bridge construction)

KUTSENKO, V.N., inzh.; CHUDNOVSKIY, Yu.A., inzh.

Progressive method of laying deep foundations. Transp. stroi. 14
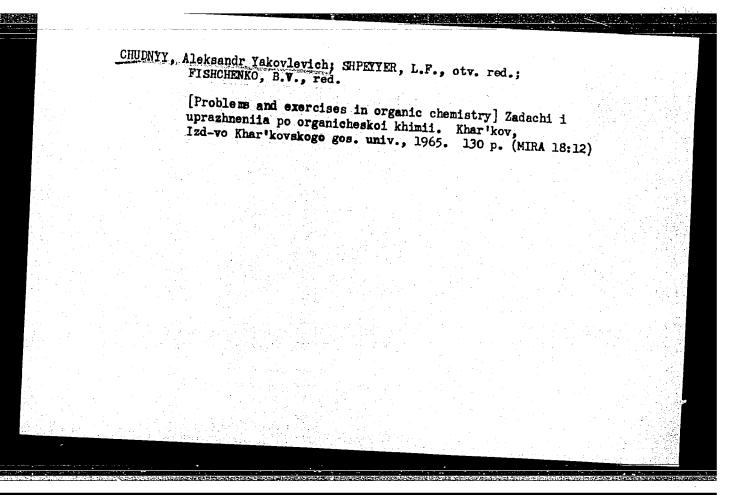no.6:7-10 Je '64.   (MIRA 18:2)

KUTSENKO, V.N.; CHUDNOVSKIY, Yu.A.

Building a bridge with prestressed supports. Transp. stroi.
14 no.5:12-15 My '64.

(MIRA 18:11)

1. Glavnyy inzh. Mostostroya No.2 (for Kutsenko).
2. Nachal'nik tekhnicheskogo otdela Mostostroya No.2 (for
Chudnovskiy).

CHUDNYAVTSEV, V.S.

More coal from a lesser number of mines. Ugol' Ukr. 4
no.5:25-27 My '60.   (MIRA 13:8)

1. Glavnyy inzhener tresta Makeyevugol'.
     (Donets Basin--Coal mines and mining)

CHUDNYY, A.V.

Using the tree classification by height and development for the evaluation of their tar yield and organization of tree-tapping. Gidroliz. i lesokhim.prom. 16 no.8:19-21 '63.
(MIRA 17:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut lesovodstva i mekhanizatsii lesnogo khozyaystva.

CHUDNYY, Aleksandr Yakovlevich; SHPEYYER, L.F., otv. red.;
FISHCHENKO, B.V., red.

[Problems and exercises in organic chemistry] Zadachi i
uprazhneniia po organicheskoi khimii. Khar'kov,
Izd-vo Khar'kovskogo gos. univ., 1965. 130 p. (MIRA 18:12)
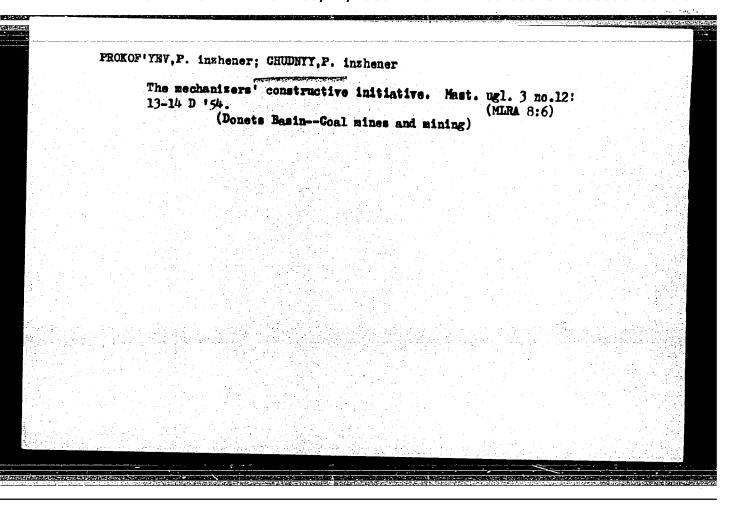
S/137/61/000/006/042/092
A006/A101

AUTHORS: Gulyayev, G.I., Finkel'shteyn, Ya.S., Gulyayev, I.N., Kolpovskiy,
N.M., Osinskiy, V.A., Chudnyy, I.G., Bogomazov, M.M., Shkabatur,
K.I.

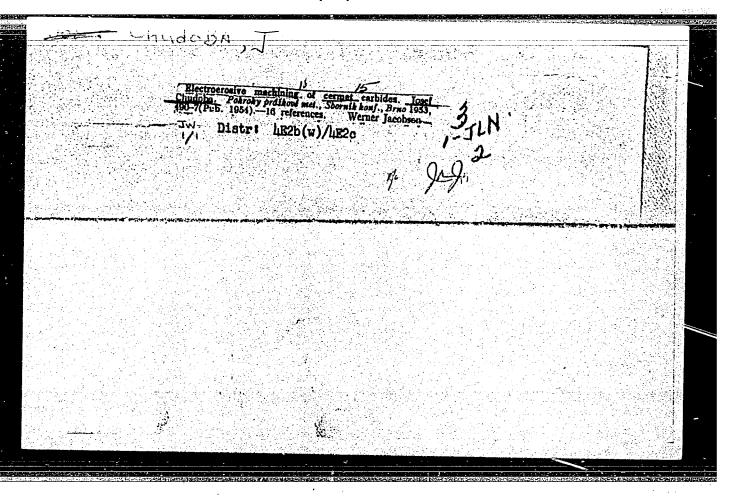TITLE: Investigating the operation of a three-roll reduction mill

PERIODICAL: Referativnyy zhurnal. Metallurgiya, no. 6, 1961, 35, abstract 6D285
("Byul. nauchno-tekhn. inform. Ukr. n.-i. trutn. in-t", 1959, no.
6 - 7, 48 - 57)

TEXT: The authors studied the operation of an 18-stand three-roll reduc-
tion mill for the purpose of establishing the rolling technology for both seam-
less and welded water-gas pipes under conditions of the Plant imeni Lenin. It
was established that the combination of the former grooving of the rolls with
kinematics of a three-roll reduction mill, makes it possible to obtain the neces-
sary elongation only when reducing welded pipes of 2 and $1\frac{1}{2}$" diameter to 1" dia-
meter. In the other cases the wall of the central pipe section is, after rol-
ling, thicker than required by GOST 3262-55. The authors calculated and inves-
tigated new calibration of the rolls, for reducing pipes from 48 x 3.5 mm to
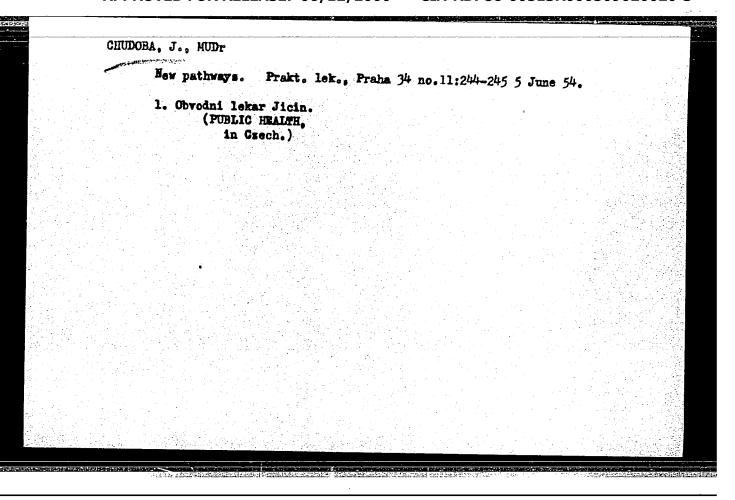
Card 1/2

S/137/61/000/006/042/092
A006/A101

Investigating the operation ...

21.25 x 2.75 mm. It was established that the efficiency can be raised if pipes of 2, $1\frac{1}{2}$ and 1" diameter are manufactured only by welding on mill no. 2, and pipes of $1\frac{1}{2}$, $\frac{3}{4}$ and $\frac{1}{2}$" diameter on mill no. 1 with the use of reduction. Preliminary calculations have shown that the reduction of 7.5 m long pipes from a 2" diameter to $1\frac{1}{4}$", from 2" to $\frac{3}{4}$" and from $1\frac{1}{2}$" to $\frac{1}{2}$" will raise the efficiency of the pipe-welding shop at the Plant imeni Lenin by 12.81%; the coefficient of metal consumption will increase by 14%. To maintain the coefficient of metal consumption on the level of planned figures, and to obtain a further increase in the efficiency of the reduction mill, it is necessary to increase the length of the welded pipes prior to rolling up to 9.6 - 15.5 m.

Yu. Manegin

[Abstracter's note: Complete translation]

Card 2/2

PROKOF'YEV,P. inzhener; CHUDNYY,P. inzhener

The mechanizers' constructive initiative. Mast. ugl. 3 no.12:
13-14 D '54.   (MLRA 8:6)
         (Donets Basin--Coal mines and mining)

CHUDNYY, P., inzh.

New coal plow. Sovshakht. 10 no.11:18-19 N '61.

(MIRA 14:11)

1. Zhakhta No.27 tresta Snezhnyaantratsit Kombinata Stalinugol'.
(Coal mining machinery)

Chudoba, J

Electroerosive machining of cermet carbides. Josef Chudoba. *Pokroky prdškové met., Sbornik konf., Brno 1953,* 490-7 (Pub. 1954).—16 references.   Werner Jacobson

JW   Distr: 4E2b(w)/4E2c

CHUDOBA, J.

"Deficiencies in Introducing Electroerosive Treatment." p. 536 (Za Socialistickou Vedu A Techniku, Vol. 3, no. 12, Dec. 1953, Praha)

SO: Monthly List of Russian Accessions,/Library of Congress, East European Vol. 3, No. 3 March 1954, Uncl.

CHUDOBA, J., MUDr

New pathways.   Prakt. lek., Praha 34 no.11:244-245 5 June 54.

1. Obvodni lekar Jicin.
      (PUBLIC HEALTH,
          in Czech.)

PITTER, Pavel, inz. CSc.; CHUDOBA, Jan, inz.

Biologic purification of laundry waste water containing
detergents. Vodni hosp 14 no.10:373-375 '64.

1. Chair of Water Chemical Technology at the Higher School
of Chemical Technology, Prague.

CHUDOBA, L.

"Technological Principles in the Manufacture of Steel in Electric Furnaces."

SO: Hutnik (Metallurgical Worker), Czechoslovakia, Vol. 4, Nov. 1, Jan. 1954. (▓▓▓, ▓▓▓▓▓n, ▓▓▓▓▓▓54, ▓▓▓▓▓▓ (▓▓▓▓▓▓▓▓▓d)

CHUDOBA, Miroslav

Establishment of working schemes for milling machines with automatic cycle controlled by stops. Stroj vyr 11 no.11: 567 N'63.

1. Tovarny na obrabeci stroje, Kurim, n.p., zavod Olomouc.

AUTHOR: Vyskocil, V. (Engineer); Chudoba, P. (Engineer)

TITLE: Accuracy of 1 : 200,000 gravivetric map

SOURCE: Ceskoslovenska akademie ved. Geofysikalni ustav. Geofysikalni sbornik, v. 11, 1963. Prague, 1964, 71-78

TOPIC TAGS: gravimetric map, map scale, map accuracy, gravitation anomaly, gravimetric center

ABSTRACT: In this study the accuracy of one sheet (Plzen) of the state gravimetric map of the CSSR on a scale of 1 : 200,000 is investigated. The numerical values of [...] characteristics of anomalies of the force of gravity obtained by [...] interpolation from two gravimetric points were determined. [...] the method [...] it proved possible to distinguish the effect of anomaly errors at dis-[...] from the accuracy of the interpolation itself and in [...] way to req-[...]racy of interpolated values of gravity anomalies at any point of the [...] investigated. It may be assumed that on the basis of similar investiga-[...] of accuracy carried out for several advantageously chosen regions of the

Card 1/2

ACCESSION NR: AT5003846

the territory of the CSSR, it will be possible to obtain data characterizing the
1,000,000 gravimetric map as a whole. Orig. art. has: 5 figures and 12 formulas.

ASSOCIATION: Geofizicheskiy institut ChSAN, Prague (Geophysical Institute,

ENCL: 00

OTHER: 006

Card 2/2

POLAND/General Biology. Cytology. Animal Cytology.   B-2

Abs Jour : Ref Zhur-Biol., No 16, 1958, 71554

Author   : Chudoba, Stanislaw
Inst   : -
Title   : Cytological Studies of the Epidermis of
           Amphibian Larvae.

Orig Pub : Zool. polon., 1956, 7, No 2, 177-192
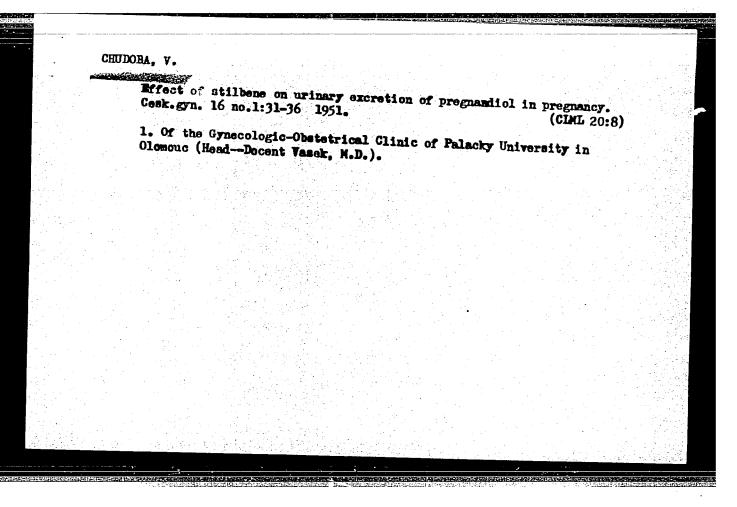
Abstract : No abstract.

Card   : 1/1

CHUDOBA, V.

Jan Picha's Gravimetrie (Gravimetry); a book review. p. 122
CESKOSLOVENSKY CASOPIS PRO FYSIKU Vol. 5, No. 1, Jan. 1955

SO: Monthly East European Accession(EEAL) LC, VOL. 4, No. 9, Sept. 1955 Uncl.

CHUDOBA, V.

Contribution to the study of the etiology of torsion of the pregnant uterus. Cesk.gyn. 15 no.3:197-200 '50.   (CLML 19:3)

1. Of the Obstetric-Gynecological Clinic Palackeho University in Olomouc (Head -- Docent. Vasek, M.D.).

CHUDOBA, V.

Effect of stilbene on urinary excretion of pregnandiol in pregnancy.
Cesk.gyn. 16 no.1:31-36   1951.
                                                    (CIML 20:8)

1. Of the Gynecologic-Obstetrical Clinic of Palacky University in
Olomouc (Head--Docent Vasek, M.D.).

CHUDOBA, V.

CZECHOSLOVAKIA/Pharmacology. Pharmacognosy. Toxicology - Chemotherapeutic Preparations.   T-9

Abs Jour   : Referat Zhur - Biologiya, No 16, 1957, 71910

Author   : Chudoba, V.
Inst   :
Title   : The Treatment of Trichomonas Vaginitis.

Orig Pub   : Ceskosl. gynaekol., 1956, 21, No 4, 251-253

Abstract   : The treatment of trichomonal vaginitis by Ayatin's solution (10% solution of a mixture of quarternary ammonium compounds) was described. Tampons soaked in Ayatin's solution, were introduced into the vagina 1-2 times daily in the course of 4-6 days. 100 percent therapeutic effect was achieved.

Card 1/1

CHUDOBA, W.

PZO levels, p. 60

PRZEGLAD GEODEZYJNY. (Stowarzyszenie Naukowe-Techniczne Geodetow Polskich)
Warszawa, Vol. 15, no. 2, Feb. 1959.
POLAND

Monthly List of European Accession (EEIA) LC, Vol, 8, no. 7, July 1959.

Uncl.

CHUDOBIECKI, Jerzy

Basic problems connected with the classification of wood materials.
Przem. drzew 12 no.12:17-21 '61.

(Wood)

C N U U O B O V A, N .

CHUDOVA, V;CHUDOBOVA, H.

Urinary histidine test for pregnancy in clinical practice.
Lek. listy 5 no.19:565-567 1 Oct. 1950   (CLML 20:1)

1. Of the Gynecological-Obstetrical Clinic at Palackeho
University, Olomouc (Head--Docent.Vlad. Vasek, M. D.).

KRAKOVICH, Abram Aleksandrovich; CHUDOK, Il'ya Izrailevich; DANILKINA, N.,
red.; ZELENKOVA, Ye., tekhn.red.

[Calculating the volume of work in the construction of apartment
houses and public buildings] Podschet ob"emov rabot zhilishchno-
grazhdanskogo stroitel'stva. Kiev, Gos.izd-vo lit-ry po stroit.
i arkhit. USSR, 1959. 141 p.   (MIRA 12:6)
                    (Building--Estimates)

KRAKOVICH, A.A.; CHUDOK, I.I.; CHULKEVICH, G.P., red.; KAPLAN, M,Ya,,
    red.izd-va; VORONETSKAIA, L.V., tekhn.red.

[Handbook for engineer-estimators engaged in building apart-
ments and public buildings] Spravochnik inzhenera-smetchika
po zhilishchnomu i grazhdanskomu stroitel'stvu. Leningrad,
Gos.izd-vo po stroit., arkhit. i stroit.materialam, 1959.
264 p.   (MIRA 12:6)
                (Building--Estimates)

At head of Title: Proyektnyy Institut "Lenproyekt."

KRAKOVICH, A.A.; CHUDOK, I.I.; CHULKEVICH, G.P., red.; GRIGOR'YEVA, I.B.,
    red. izd-va; PUL'KINA, Ye.A., tekhn. red.

[Handbook for the engineer making estimates for the design of
residential and public buildings]Spravochnik inzhenera smet-
chika po proektirovaniiu zhilykh i grazhdanskikh zdanii. Izd.2.,
perer. i dop. Leningrad, Gosstroiizdat, 1962. 251 p.
                                        (MIRA 16:1)
            (Building—Estimates)

Chudomel, V

CZECHOSLOVAKIA/General Problems of Pathology - Immunity.   T-2

Abs Jour   : Ref Zhur - Biol., No 4, 1958, 17164

Author   : Chudomel, V., Jezkova, F., Libansky, J.
Inst   : —
Title   : On Methods for the Determination of Antibodies Against
              Leucocytes (A Test of Utilized Complement).

Orig Pub   : Vvitrni lekarstvi, 1957, 3, No 3, 215-222.

Abstract   : A method is described for determining antibodies from
              utilized complement. In order to obtain greater sensi-
              tivity, leukocytes that had been treated with tannin
              were used. This reaction probably may be used for de-
              termining antibodies against erythrocytes and various
              tissues.

Card 1/1

CZECHOSLOVAKIA/General Problems of Pathology - Tumors. Immunity.   U.

Abs Jour   : Ref Zhur - Biol., No 2, 1959, 8784

Author   : Libansky, J., John, C., Pujman, V., Chudomel Vl. Sochman, J.

Inst   : -

Title   : Interrelations Between Leukemia and Infection

Orig Pub   : Neoplasma, 1957, 4, No 1, 21-29

Abstract   : $C_{57}bl$ mice were inoculated with a homogenate of a leuke-
               nic liver (LVUFB strain of blastomatous leukemia), and
               at various periods of time before and after the trans-
               plantation of it the mice were injected subcutaneously
               with a suspension ($1.2.10^9$ microbes) of a weakly viru-
               lent beta-hemolytic group B streptococcus. The average
               duration of life of the infected mice in all variants
               of the experiment was somewhat greater than in the con-
               trol experiments. The maximum increase in the length
               of life (by 45%) was noted after the mice were infected

Card 1/2

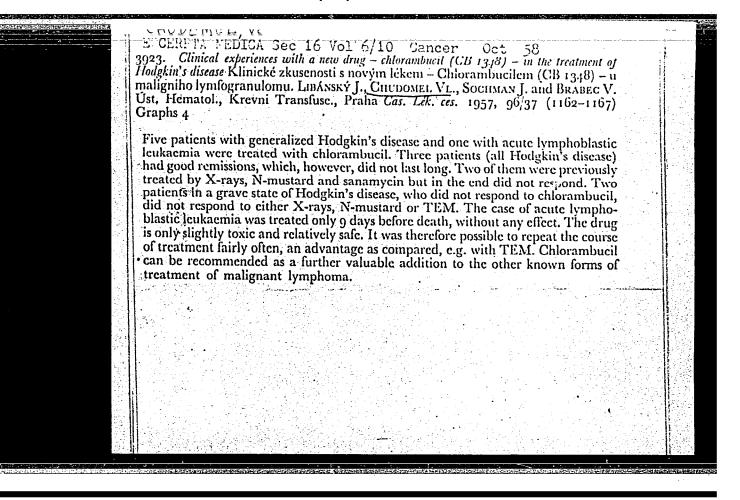CZECHOSLOVAKIA/General Problems of Pathology - Tumors. Immunity.   U.

Abs Jour   :   Ref Zhur - Biol., No 2, 1959, 8784

14 days before the transplantation and 21 days (by 27.8%) after it. Infection stimulates the connective tissue, and the metabolic changes occurring as a result of this may improve cell maturation. -- I.S. Tsypkin.

Card 2/2

- 31 -

CHUDOMEL, VL

E CERPTA MEDICA Sec 16 Vol 6/10 Cancer   Oct 58

3923. *Clinical experiences with a new drug – chlorambucil (CB 1348) – in the treatment of Hodgkin's disease* Klinické zkusenosti s novým lékem – Chlorambucilem (CB 1348) – u maligniho lymfogranulomu. Libánský J., Chudomel Vl., Sochman J. and Brabec V. Úst. Hematol., Krevni Transfusc., Praha *Cas. Lek. ces.* 1957, 96/37 (1162–1167) Graphs 4

Five patients with generalized Hodgkin's disease and one with acute lymphoblastic leukaemia were treated with chlorambucil. Three patients (all Hodgkin's disease) had good remissions, which, however, did not last long. Two of them were previously treated by X-rays, N-mustard and sanamycin but in the end did not respond. Two patients in a grave state of Hodgkin's disease, who did not respond to chlorambucil, did not respond to either X-rays, N-mustard or TEM. The case of acute lymphoblastic leukaemia was treated only 9 days before death, without any effect. The drug is only slightly toxic and relatively safe. It was therefore possible to repeat the course of treatment fairly often, an advantage as compared, e.g. with TEM. Chlorambucil can be recommended as a further valuable addition to the other known forms of treatment of malignant lymphoma.

KIBANSKY, J.; CHUDOMEL, Vl.

Chronic erythrocytic hypoplasia. Cas. lek. cesk. 97 no.47:1472-1476
21 Nov 58.

1. Ustav hematologie a krevni transfuse v Praze, reditel prof. dr.
J. Horejsi Klinicke oddeleni, prednosta doc. dr. J. K. Libansky
J. L., Praha 2, U nemocnice 1.
        (ERYTHROCYTES
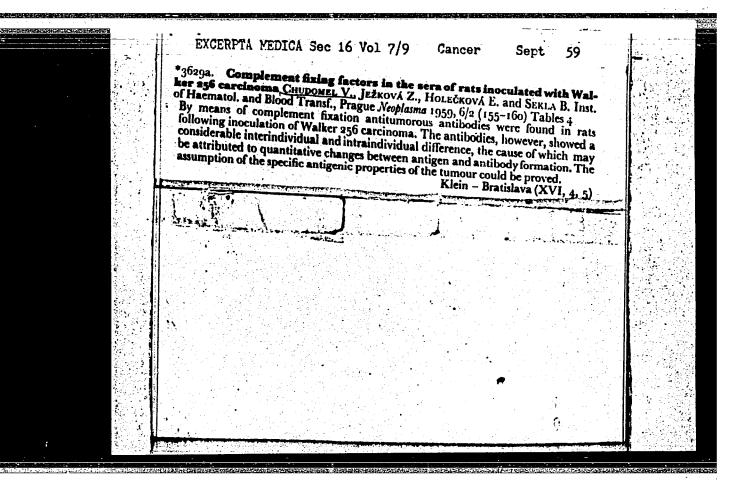   hypoplasia, chronic (Cs))

CHUDOMEL, V.; JEZKOVA, Z.; LIBANSKY, J.

Detection of leucocyte antibodies by the complement consumption test.
Rev. Czech. M. 5 no.1:8-18 1959.

1. Institute of Haematology and Transfusion, Prague. Director: Prof.
J. Horejsi., Clinical Department, chief: Doc. J. Libansky and Bacter-
iological-serological Department, chief: PhMr. Z. Jezkova.
     (LEUKOCYTES,
          antibodies, determ. by complement fixation test)
     (COMPLEMENT,
          fixation test in determ. of leukocyte antibodies)

*3629a. **Complement fixing factors in the sera of rats inoculated with Walker 256 carcinoma** CHUDOMEL V., JEŽKOVÁ Z., HOLEČKOVÁ E. and SEKLA B. Inst. of Haematol. and Blood Transf., Prague *Neoplasma* 1959, 6/2 (155-160) Tables 4 By means of complement fixation antitumorous antibodies were found in rats following inoculation of Walker 256 carcinoma. The antibodies, however, showed a considerable interindividual and intraindividual difference, the cause of which may be attributed to quantitative changes between antigen and antibody formation. The assumption of the specific antigenic properties of the tumour could be proved.

Klein – Bratislava (XVI, 4, 5)

LIBANSKY, J.;CHUDOMEL, V.;BRABEC, V.;SOCHMAN, J.

Treatment of malignant lymphomas and lymphadenoses with leukeran.
Neoplasma, Bratisl. 6 no.4:415-424 1959.

1. Institute of Haematology and Blood Transfusion, Clinical
Department, Prague, CSR.
    (NITROGEN MUSTARDS, ther.)
    (LYMPHOMA ther.)
    (HODGKIN'S DISEASE ther.)
    (LEUKEMIA LYMPHATIC ther.)

CHUDOMEL, Vl.; JEZKOVA, Zd.; PAVKOVA, L.; KRATKOVA, E.

Immunological investigation of patients with glomerulonephritis. Cas. lek.cesk 100 no.17:529-535 28 Ap '61.

1. Ustav hematologie a krevni transfuze v Praze, prednosta prof. Dr. Sc. MUDr. J. Horejsi, Laborator plasticke chirurgie, reditel akademik F. Burian, Detske interni oddeleni Thomayerovy nemocnice v Praze-Krci, primar MUDr. E. Kratkova.

(GLOMERULONEPHRITIS immunol)

CHUDOMEL, Vl.; JEZKOVA, Zd.; Technicka spoluprace: V. Mikulova; V. Brazdova

Demonstration of substances inhibiting leukocytic antigens. Cas.lek. cesk 100 no.20:616-621 19 My '61.

1. Ustav hematologie a krevni transfuze v Praze, prednosta prof. Dr. Sc. MUDr. J. Horejsi.

(ANTIGENS)   (LEUKOCYTES)

HOREJSI, J.; CHUDOMEL, V.; JEZKOVA, Z.; KOOT, M.; SOUSEK, O. Technicka
spoluprace: VOLACKOVA, Helena

Antibodies against the liver - their importance in the clinical aspects
of hepatopathy. I. Acute hepatitis. Cas.lek.cesk 100 no.38/39:1206-1213
29 S '61.

1. Ustav hematologie a krevni transfuze v Praze, prednosta prof. MUDr.
J. Horejsi, laborator pro metabolismus bilkovin fakulty vseob. lek. v
Praze, prednosta prof. MUDr. J. Horejsi, oddeleni inf. hepat. v Motole,
prednosta MUDr. O. Sousek.

(HEPATITIS immunol)

CHUDOMEL, Vl.; JEZKOVA, Zd.

Determination of antikidney antibodies. I. Theoretical section. Cas.
Lek. Cesk. 100 no.49:1537-1541 8 D '61.

1. Ustav hematologie a krevni transfuse v Praze, prednosta prof. Dr.
Sc. MUDr. J. Horejsi.

(KIDNEYS)   (ANTIBODIES)

LIBANSKY, J.; CHUDOMEL, Vl.; JEZKOVA, Z.; MIKOLOVA, V.

Significance of leukocyte antibodies. Stud. cercet. med. intern.
3 no.3:343-355 '62.
    (LEUKOCYTES)   (ANTIBODIES)   (BLOOD DISEASES immunology)
  (NEOPLASMS immunology)   (HYPERSPLENISM immunology)
(LUPUS ERYTHEMATOSUS immunology)   (LIVER DISEASES immunology)
          (BLOOD TRANSFUSION complications)

CHUDOMEL, V.

CZECHOSLOVAKIA

KOREJSI, J; CHUDOMEL, V; JEZKOVA, Z.

Institute of Hematology and Blood Transfusion
    (Ustav hematologie a krevni transfuze), Prague
    - (for all)

Prague, Vnitrni Lekarstvi, No 3, 1963, pp 243-246

"Antibodies Against Liver Tissue: Their Clinical Signi-
    ficance in Liver Disease."

CHUDOMEL, V.

3

CZECHOSLOVAKIA

CHUDOMEL, V; JEZKOVA, Z; PAVKOVA, L; KRATKOVA, E., MD.

1. Institute of Hematology and Blood Transfusion
   (Ustav hematologie a krevni transfuse), Prague;
   2. Laboratory of Plastic Surgery (Laborator
   plasticke chirurgie), Prague; 3. Children's
   Internal Medicine Ward of the Thomajerovy
   Hospital (Detske vnitrni oddeleni Thomajerovy
   nemocnice), Prague-Krči (for Kratkova)

Prague, *Vnitrni lekarstvi*, No 3, 1963, pp 260-263

"The Significance of Antibodies Against Renal Tissue
in Patients Suffering from Renal Diseases."

CHUDOMEL, V.

3

CZECHOSLOVAKIA

HOREJSE, J; CHUDOMEL, V; JEZKOVA, Z; FASSATI, M.

1. Institute of Hematology and Blood Transfusion
   (Ustav hematologie a krevni transfuse), Prague;
   2. Third Internal Medicine Clinic (III. vnitrni
   klinika), Prague - (for all)

Prague, Vnitrni lekarstvi, No 4, 1963, pp 313-319

"Antibodies Against Liver - Their Clinical Significance
in Hepatic Disease."

MAJSKY, A.; HRABA, T.; BARTOVA, Adela; CHUDOMEL, V.; POSLUSNA, Milena

Serological characteristics of non-agglutinated erythrocytes
in patients with blood diseases. Folia biol. (Praha) 9 no.5:
364-374 '63.

1. Institute of Haematology and Blood Transfusion, Prague;
Institute of Experimental Biology and Genetics, Czechoslovak
Academy of Sciences, Prague; First Medical Clinic, University
Hospital, Olomouc.
                    (LEUKEMIA)   (ERYTHROCYTES)   (BLOOD GROUPS)
              (HEMAGGLUTINATION) (BONE MARROW DISEASES)
                              (SERODIAGNOSIS)

NEL'ZINA, Ye.N.; PYLENKO, M.S.; CHUDOSEVA, V.P.; KONDRASHKINA, K.I.;
BYKOV, L.T.

Materials on the role of Rhipicephalus schulzei OL. (Ixodides,
Parasitiformes) in natural foci of plague. Part.1: Localization
of the plague microbe in the tick body. Med.paraz.i paraz.bol.
29 no.2:202-207 '60.   (MIRA 13:12)
(PASTEURELLA PESTIS) (TICKS AS CARRIERS OF DISEASE)

CHUDOTVORTSEV, V.M.

Laying a trench for a water supply line in soft and rocky soils.
Energ.stroi. no.6:98-99 '58.
(MIRA 12:11)

1. Bratskgesstroy.

(Ditches)

ABOMELIK, R.A., inzh.; LUPAR', A.I., inzh.; CHUDOTVORTSEV, V.M., inzh.

Use of piles in the construction of open 220 and 500 kv. power distribution units of the Bratsk Hydroelectric Power Station. Energ. stroi. no.41:54-63 '64.

(MIRA 17:11)

CHUDOV, A. S.

Kal'kuliatsiia sebestoimosti zheleznodorozhnykh perevozok. /Estimate of cost of railroad transportation_/. Moskva, Gostransizdat, 1931-32. 2 v. in 1. diagrs. (Rukovodstva dlia transportnykh vtuzov).

DLC: HE2241. C58

SO: Soviet Transportation and Communications. A Bibliography. Library of Congress Reference Department, Washington, 1952, Unclassified.

CHUDOV, A. [S.]

Sebestoimost' zheleznodorozhnykh perevozok. [The cost of railroad freight transportation]. (Sots. transport, 1938, no. 10, p. 76-80).

DLC: HE7.S6

SO: Soviet Transportation and Communications, A Bibliography, Library of Congress, Reference Department, 1952, Washington, Unclassified.

CHUDOV, A. S.

Planovaia kal'kuliatsiia sebestoimosti zheleznodorozhnykh perevozok. /Planned estimate of cost of railroad transportation_/. Moskva, Gos. transp. zhel-dor. izd-vo, 1947. 1114p.

"Uses example of one road's data to illustrate a new way of cal-culating costs."

- - - - - - -

DLC: HE3136.C49

Raspredelenie dokhodov mezhdu dorogami. /Distribution of income among rialroads_7. (Zhel-dor. transport, 1943, no. 9-10, p. 66-71).

DLC: HE7.Z5

SO: Soviet Transportation and Communications; A Bibliography, Library of Congress Reference Department, Washington, 1952, Unclassified.

CHUDOV, A. S.

Snizhenie sebestoimosti perevozok v plane novoi piatiletki. /Reduction of transport cost in the new five-year plan/. (In Levin, B. I. Osnovnye voprosy piatiletnego plana vosstanovleniia i razvitiia zheleznodorozhnogo transporta. Moskva, 1947, p. 171-182).

DLC: HE3137.L4

CHUDOV, A. S.

Planirovanie na zheleznodorozhnom transporte. /Planning in railroad transportation/.
Moskva, Gos. transp. zhel-dor, izd-vo, 1948- v. (1)

DLC: HE3136.C48

ORLOV, V.N.; CHUDOV, A.S.; KRISHTAL', L.I., redaktor; VERINA, G.P.,
tekhnicheskiy redaktor.

[Calculation and analysis of the cost of railroad transport] Kal'ku-
latsiia i analiz sebestoimosti zheleznodorozhnykh perevozok. Izd. 2-e
perer. i dop. Moskva, Gos. transportnoe zhel-dor. izd-vo, 1952. 403 p.
    (Railroads—Cost of operation)   (MIRA 8:4)

CHUDOV,A,S,

GIBSHMAN,A.Ye.; DANILOV,S.K., professor; DMITRIYEV,V.I.; KORNEYEV,A.I.;
TVERSKOY,K.N.; UMBLIYA,V.E.; KHANUKOV,Ye.D.; CHERNOMORDIK,D.I.;
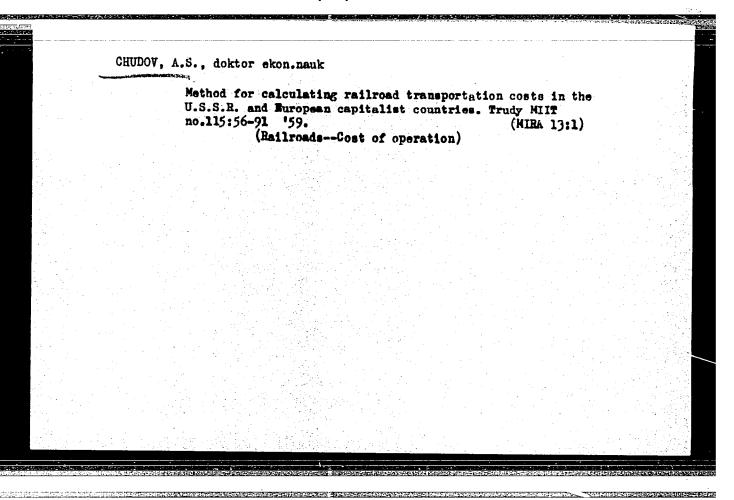CHUDOV,A.S.; SHIL'NIKOV,N.S.; KRISHTAL',L.I., redaktor; KHITROV,
P.A., tekhnicheskiy redaktor

[Economics of transportation] Ekonomika transporta. Moskva, Gos.
transp.zhel-dor.izd-vo, 1955. 617 p.   (MIRA 9:3)
                    (Railroads--Finance)

CHUDOV, A.S., dotsent.

More accurate calculation of haulage costs by means of expenditure
rates. Trudy MTEI no.2:3-25 '55.   (MLRA 9:11)
                    (Railroads--Rates)

CHUDOV, Aleksandr Sergeyevich

N/5
755.9
.C51

SEBESTOIMOST' ZHELEZNODOROZHNYKH PEREVOZOK I PUTI YEYE SNIZHENIYA (THE COST OF RAILROAD TRANSPORTATION AND WAYS OF REDUCING IT) MOSKVA, TRANSZHELDORIZ-DAT, 1956. 67 p. DIAGRS., TABLES (POPULYARNAYA BIBLIOTECHKA PO EKONOMIKE ZHELEZNODOROZHNOGO TRANSPORTA) BIBLIOGRAPHICAL FOOTNOTES.

CHUDOV, A.S., kandidat tekhnicheskikh nauk,

Aspects of calculating transportation cost on the basis of upkeep outlays in solving various problems. Trudy MTEI no.3:76-105 '56
(Railroads--Cost of operation)   (MLRA 10:6)

PHASE I BOOK EXPLOITATION

Gibshman, A. Ye., Danilov, S. K., Dmitriyev, V. I., Korneyev, A. I.,
    Tverskoy, K. N., Umbliya, V. E., Khanukov, Ye. D., Chernomordik, D. I.,
    Chudov, A. S., Shil'nikov, N. S.

Ekonominka transporta (The Economics of Transportation) 2d rev.
    ed. Moscow, Transzheldorizdat, 1957. 711 p. 30,000 copies
    printed.

Ed.: Krishtal', L. I., Tech. ed.: Khitrov, P. A.

PURPOSE: This textbook is intended for students in engineering-
    economic branches of Railway Transportation Institutes, as well
    as for railway workers engaged in the independent study of railway
    economics.

COVERAGE: The economic aspects of railway transportation are dis-
    cussed in this textbook. It covers such subjects as technical-
    economic problems, the most efficient way to use available
    facilities, methods for planning and organizing various branches
    of transportation operations and production, wages costs, finances,
    and business accountability (khozraschet).

See card for X Gibshman, A. Ye. for abstract.

CHUDOV, A.S., doktor ekon.nauk

Method for calculating railroad transportation costs in the U.S.S.R. and European capitalist countries. Trudy MIIT no.115:56-91 '59.   (MIRA 13:1)
(Railroads--Cost of operation)

ORLOV, Vladimir Nikolayevich; CHUDOV, Aleksandr Sergeyevich; KRISHTAL',
    L.I., red.; BOBROVA, Ye.N., tekhn.red.

[Calculation and analysis of railroad transportation costs]
Kal'kuliatsiia i analiz sebestoimosti zheleznodorozhnykh pere-
vozok. Izd.3., perer. Moskva, Vses.izdatel'sko-poligr.ob"edi-
nenie M-va putei soobshcheniia, 1960. 314 p.   (MIRA 13:4)
        (Railroads--Cost of operation)

BELYUNOV, S.A., inzh.; DMITRIYEV, V.I., dots., kand. ekon. nauk; KUCHURIN,
S.F.; LIN'KOV, M.V.; MULYUKIN, F.P.; NEDOPEKIN, G.K., inzh.; PUZYNYA,
I.Ye., inzh.; RAYKHER, G.Kh., inzh.; TRUBACHEV, T.Ye., inzh.; TYVAN-
CHUK, D.P., inzh.; UMBLIYA, V.E., kand. ekon. nauk; KHOKHLOV, N.F., dots.
kand. ekon. nauk; CHUDOV, A.S., prof., doktor ekon. nauk; ERLIKH, V.S.,
inzh.; IVLIYEV, Ivan Vasil'yevich, red.; KRISHTAL', L.I., red.; KHITROV,
P.A., tekhn. red.

[Planning in railroad transportation] Planirovanie na zheleznodorozh-
nom transporte; spravochnik. Moskva, Vses. izdatel'sko-poligr. ob"-
edinenie M-va putei soobshcheniie, 1961. 470 p. (MIRA 14:11)
(Railroads—Management)

GUBIN, A.I.; KITAYEV, A.M.; CHUDOV, A.S., inzh., retsenzent;
    CHERNYAK, V.S., inzh., red.

[Welding and soldering thin-walled pipes] Svarka i paika
tonkostennykh truboprovodov. Moskva, Mashinostroenie,
1964. 110 p.   (MIRA 17:7)

GUBIN, Aleksandr Ivanovich; CHUDOV, A.S., inzh., retsenzent;
        KOLOSOV, M.A., inzh., red.

        [Soldering of stainless steels and heat-resistant alloys]
        Paika nerzhaveiushchikh stalei i zharoprochnykh splavov.
        Moskva, Mashinostroenie, 1964. 127 p.   (MIRA 17:10)

CHUDOV, I.S., nauchnyy sotrudnik; VERZHBITSKIY, V.G., polkovnik, red.

[Two-time Hero of the Soviet Union Vasilii Stepanovich Petrov]
Dvazhdy Geroi Sovetskogo Soiuza Vasilii Stepanovich Petrov.
Moskva, 1960. 11 p. (MIRA 14:2)

1. Moscow. TSentral'nyy muzey Sovetskoy Armii. 2. TSentral'nyy muzey Sovetskoy Armii (for Chudov).
(Petrov, Vasilii Stepanovich, 1922-)

CHUDOV, L. A.

37163. Obratnaya sadacha shturma-liuvillya. Matem. Sbornik, Novaya Seriya,
t. XXV, Vyp. 3, 1949, s. 451-56

SO: Letopis' Zhurnal'nykh Statey, Vol 7, 1949

"The Inverse Problem of Sturm - Liouville" -

CHUDOV, L. A.

CHUDOV, L. A. - "Isolated Singular Points and Lines of Linear Partial Differential Equations." Sub 4 Jun 52, Sci Res Inst Mechanics and Mathematics, Moscow Order of Lenin State U imeni M. V. Lomonosov. (Dissertation for the Degree of Candidate in Physicomathematical Sciences).

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CHUDOV, L. A.

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Čudov, L. A. Isolated singular points and lines of solutions of linear partial differential equations. Doklady Akad. Nauk SSSR (N.S.) 90, 507–508 (1953). (Russian)

The solution $u(x, y, z)$ of the equation

$$(*) \qquad \sum_{0 \le i+j+k \le n} A_{ijk} \frac{\partial^{i+j+k} u}{\partial x^i \partial y^j \partial z^k} = F(x, y, z)$$

is said to have an isolated singular point of bounded type at $P(x_0, y_0, z_0)$ if (i), in a deleted neighborhood of P, u has continuous derivatives of order $L(\ge n)$; (ii) u satisfies $(*)$ in this neighborhood; and (iii) there are constants A and p such that $|\partial^{n-1} u / \partial x^i \partial y^j \partial z^k| < A/r^p$ where

$$r^2 = (x - x_0)^2 + (y - y_0)^2 + (z - z_0)^2.$$

The theorem is stated: If the non-degenerate equation

$$\sum_{i+j+k=n} A_{ijk} \frac{\partial^n u}{\partial x^i \partial y^j \partial z^k} = 0, \quad A_{ijk} \text{ constants,}$$

has an isolated singular point with $L \ge n+3$ then the equation is elliptic. A related theorem is stated concerning singular lines and hyperbolic equations.   M. H. Protter.

CHUDOVA, L. A.

RYABEN'KIY, Viktor Solomonovich; FILIPPOV, Aleksey Fedorovich; CHUDOVA, L.A., redaktor; GORYACHAYA, M.M., redaktor; TUMARKINA, N.A., tekhnicheskiy redaktor

[Stability of difference equations] Ob ustoichivodti raznostnykh uravnenii. Pod. red. L.A, Chudova. Moskva, Gos. izd-vo tekhniko-teoret. lit-ry, 1956. 171 p.   (MLRA 10:4)
                     (Difference equations)

CHUDOV, L.A.

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AUTHOR: Chudov, L.A.

TITLE: On the propagation of the discontinuities of the derivatives
of the solutions of linear partial differential equations with
constant coefficients

TEXT: The author considers the linear equation with constant
coefficients

$$L\left(\frac{\partial}{\partial x}\right) u = L\left(\frac{\partial}{\partial x_1}, \ldots, \frac{\partial}{\partial x_n}\right) u = 0 \ ,$$

where $L(\omega)$ is a homogeneous irreducible polynomial of degree m. The in-
equality of the point O is called complete and is denoted with D ; the
neighborhood without the point O is called incomplete and is denoted with
D. Let the following conditions be satisfied :

a) $u(x)$ has continuous derivatives of the order $p \geq m$ in D ;

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